

## **Amendment 149**

### **Contract No. 229944**

#### **To the Contract for the Design, Implementation, Operation and Maintenance of the Regional Fare Coordination System**

This Amendment 149 to the Contract for the Design, Implementation, Operation and Maintenance of the Regional Fare Coordination System is entered into this 6<sup>th</sup> day of September, 2011, by and between ERG Transit Systems (USA) Inc, a California corporation and wholly owned subsidiary of Vix-ERG Limited, an Australian corporation, (hereinafter referred to as the "Contractor") and each of the following seven public transportation agencies (hereinafter referred to individually as an "Agency" or collectively as the "Agencies"):

1. Central Puget Sound Regional Transit Authority ("Sound Transit")
2. King County ("King County")
3. Kitsap County Public Transportation Benefit Area ("Kitsap Transit")
4. Pierce County Public Transportation Benefit Area ("Pierce Transit")
5. Snohomish County Public Transportation Benefit Area ("Community Transit")
6. City of Everett ("Everett")
7. State of Washington, acting through the Washington State Department of Transportation, Washington State Ferries Division ("WSF")

#### **Recitals**

- A. Effective April 29, 2003, each of the Agencies and the Contractor entered into Contract #229944 ("Contract") to implement a Regional Fare Coordination System ("RFC System") to establish a common fare system utilizing smart card technology. The Contractor is responsible for the development, implementation, operation and maintenance of the RFC System as specified in the Contract.
- B. The Agencies and the Contractor desire to amend Exhibit 9, Price Schedule, Section II, Equipment Prices, to clarify when the Driver Display Unit (DDU) purchase will include a Load Dump Module (LDM) at no additional cost, add a new Subsection K, Optional On-Board Bus Installation Parts and Materials and add a new subsection "C" to Contract Division 1 3.1-76.4.2 to reflect the above changes.

## Agreement

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the sufficiency of which is hereby acknowledged, the Parties hereby agree to amend the Contract as follows:

### Section 1.0 Description of Change

1.1 Contract No. 229944, Exhibit 9, Section II Equipment Prices is hereby replaced in its entirety by the Section II attached hereto and made a part hereof as "Amendment 149-Attachment .A."

## AMENDMENT 149 – Attachment A

### II. EQUIPMENT Prices

Range of Quantities			
<b>A. FARE TRANSACTION PROCESSOR (FTP)</b>			
<b>A.1 (a) On Board FTP (unit price includes Ethernet Switch for Agency orders for Phase I and Phase II procurement by ERG) (This Unit price for Phase I devices shall also include the 24 MB Memory Expansion Board)</b>	<b>1,500 or less</b>	<b>1,501-3,000</b>	<b>Over 3,000</b>
<i>PRICE PER UNIT</i>	\$721	\$687	\$680
<b>A.1 (b) On Board FTP Installed 24 MB Expansion Board Memory</b>	<b>1,500 or less</b>	<b>1,501-3,000</b>	<b>Over 3,000</b>
<i>PRICE PER UNIT</i>	\$83	\$83	\$83
<b>A.2 Stand Alone Pole Mount FTP</b>	<b>50 or less</b>	<b>51-80</b>	<b>Over 80</b>
a. Stand Alone Fare Transaction Processor (Unit price includes device, power supply, power supply plate, pole and anchor rod and adhesive)	\$3,522	\$3,354	\$3,321
b. SAFTP Base Covers	\$388	\$388	\$388
c. SAFTP Powder Coating of Pole/Base Cover Mounting Hardware Combination Unit	\$84	\$84	\$84
d. SAFTP Powder Coating of Wall Mount Box	\$81	\$81	\$81
e. SAFTP Power Supply	\$158	\$158	\$158
f. SAFTP Wall Mount Gasket	\$1	\$1	\$1
g. SAFTP Pole Mount Gasket	\$1	\$1	\$1
<b>A.2.1 SAFTP Poles</b>	<b>9 or Less</b>	<b>10 or More</b>	<b>N/A</b>
a. SAFTP Pole Set (includes pole, power supply plate, anchor rod and anchor adhesive)	\$2335	\$1210	
<b>A.3 Stand Alone Wall Mount FTP</b>	<b>50 or less</b>	<b>51 - 80</b>	<b>Over 81</b>



a. Wall Mount SAFTP (Unit price includes device, power supply, wall mount box and wall mount box plate)	\$3,522	\$3,354	\$3,321
<b>A.4 SAFTP Master Key</b>	N/A	N/A	N/A
a. ST Sounder Rail (XXDU)	\$39	\$39	\$39
b. ST Link Light Rail (QCDN)	\$39	\$39	\$39
c. CT Swift BRT (QCFG)	\$39	\$39	\$39
d. KCM Rapid Ride BRT (QDER)	\$39	\$39	\$39
<b>A.5 Portable FTP</b>	<b>100 or less</b>	<b>101-500</b>	<b>Over 500</b>
a. Portable FTP – Psion	\$1,412	\$1,387	\$1,366
b. PFTP Psion – Pistol Grip	\$29	\$29	\$28
c. PFTP Psion – Scanner 1D Laser High Performance	\$635	\$624	\$614
d. PFTP Psion – Vehicle Mount Charger (12V)	\$200	\$197	\$194
e. PFTP Psion – Holster Soft Shell	\$112	\$110	\$109
f. PFTP Psion – Plastic Extended End cap Kit	\$59	\$58	\$57
g. PFTP Psion – Pouch Nylon Carry Case	\$73	\$72	\$71
h. PFTP Psion – Docking Station Desktop	\$127	\$125	\$123
i. PFTP Psion – Kit PC Card xMod	\$122	\$120	\$118
j. PFTP Psion – Cable, Promark Power Extension, D6'	\$117	\$115	\$113
k. PFTP Psion – Mount RAM B101	\$59	\$58	\$57
l. PFTP Psion – Radio, RA204	\$220	\$216	\$213
m. PFTP Psion – Battery High Capacity	\$122	\$120	\$118
n. PFTP Psion – Door for High Capacity Battery	\$15	\$14	\$14
o. Hayes Accura v. 92, model 18328	\$81	\$73	\$69
p. PFTP Psion – Charger Quad Unit	\$347	\$341	\$336
q. PFTP Psion – Power Lead for Quad Unit Charger	\$10	\$10	\$9
r. PFTP Psion – Tether to RS232 Converter (to connect to external model)	\$65	\$65	\$65
s. PFTP Psion – USB to Ethernet Adapter (to connect single cradle to Ethernet)	\$65	\$65	\$65
t. Docking Station 4-Unit for 7527 (WAP-G2)	\$729	\$729	\$729
u. Power Lead for 4-Unit Docking Station for 7527C	\$16	\$16	\$16
v. RS232 Adapter for Desktop Docking Station	\$99	\$99	\$99
w. PFTP Psion – Super High Capacity Battery	\$142	\$142	\$142
x. PFTP Psion – Door for Super High Capacity Battery	\$15	\$15	\$15
	<b>100 or less</b>	<b>101-200</b>	<b>Over 200</b>
y. PFTP Psion – Card Reader	\$321	\$286	\$268

**B.**

<b>DRIVER DISPLAY UNIT (includes Load Dump Module if DDU purchased as part of an Agency's complete suite of on-board equipment for a new vehicle installation)</b>	<b>1,500 or less</b>	<b>1,501-3,000</b>	<b>Over 3,000</b>
<i>PRICE PER UNIT</i>	\$1,365	\$1,302	\$1,289

### C. WIRELESS DATA ON/OFF LOADING SYSTEM

C.1 Base/Terminal Module	10 or less	11-20	Over 20
PRICE PER UNIT	\$3,919	\$3,732	\$3,554
C.2 On-Board Vehicle Module (Non Ruggedized) (includes antenna and power injector)	1,500 or less	1,501-3,000	Over 3,000
PRICE PER UNIT	\$631	\$601	\$595
C.3 On-Board Vehicle Module (Ruggedized) (includes antenna and power injector)	1,500 or less	1,501-3,000	Over 3,000
PRICE PER UNIT	<del>\$1,096</del> \$1,103	<del>\$1,069</del> \$1,090	<del>\$1,048</del> \$1,069

9/9/11  
MCR  
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### D.

DATA ACQUISITION COMPUTER (DACs)	15 or less	16-30	Over 30
PRICE PER UNIT	\$13,856	\$13,196	\$13,064

### E.

BACK OFFICE CLIENT COMPUTERS	3 or less	4-8	Over 8
PRICE PER UNIT	\$61,693	\$58,755	\$55,957

### F.

INTEGRATION w/ SOUND TRANSIT TVMs	30 or less	31-50	Over 50
a. TVM Kit	\$2,494	\$2,375	\$2,352
INTEGRATION w/ SOUND TRANSIT TVMs	15 or less	16-30	Over 30
b. TVM Second Fare Card Reader/Writer (Second Internal)	\$660	\$628	\$598

EQUIPMENT Prices (cont.)

G. CUSTOMER SERVICE TERMINAL

<b>G.1 Full Function CST (modules i through ix)</b>	<b>15 or less</b>	<b>16-30</b>	<b>Over 30</b>
<i>PRICE PER UNIT</i>	\$9,357	\$8,911	\$8,487
<b>G.2 Modularized CST</b>	<b>15 or less</b>	<b>16-30</b>	<b>Over 30</b>
i. CPU and software, data communications & secure access module	\$4,362	\$4,155	\$3,957
ii. Keyboard (inc. in CPU price)			
iii. PIN pad	\$951	\$906	\$862
iv. Customer Display (inc. in PINpad)			
v. Magnet Card Reader (inc. in PINpad)			
vi. Agent Display	\$1,058	\$1,007	\$959
vi. Fare card reader/writer	\$660	\$628	\$598
viii. Printer – receipt – includes (a) or (b)	\$1,692	\$1,611	\$1,535
(a) Printer - receipt	\$1,692	\$1,611	\$1,535
(b) Printer – receipt with Check Endorser/Reader – Epson TM-H6000II	\$1,624	\$1,624	\$1,624
ix. Cash drawer	\$635	\$604	\$576
x. GAK Desktop Card Reader	\$660	\$628	\$598



## H. ADDITIONAL CST PERIPHERALS

H1. Prices effective through December 31, 2006

ADDITIONAL CST PERIPHERALS			
<i>Card Printer (includes "Fare card read/writer")</i>	\$8,820	N/A	N/A
<i>Photo ID Equipment – Camera and power supply</i>	\$619	N/A	N/A
<i>Kytronics Card Dispenser</i>	\$1,010	N/A	N/A
	<b>1 Unit</b>		
<i>Cherry G81-POS Keyboard</i>	<b>\$243</b>	N/A	N/A
<i>Agent Display (Touch Screen Monitor, MicroTouch M-170 LCD)</i>	<b>\$880</b>	N/A	N/A
<i>Printer – Receipt with Check Endorser/Reader Epson TH-H6000II</i>	<b>\$1,135</b>	N/A	N/A
<i>PIN Pad – Verifone 1000SE</i>	<b>\$143</b>	N/A	N/A
<i>MiniMag Magnetic Card Reader</i>	<b>\$76</b>	N/A	N/A
<i>Window Mounted Fare Card Reader/Writer</i>			
<ul style="list-style-type: none"> <li>Fare card reader/writer, window-mount (MOQ = 10; 10 x \$660 = *\$6,600) from existing stock in green plastic</li> </ul>	<b>\$6,600</b>	N/A	N/A

ADDITIONAL CST PERIPHERALS			
Card Printer (includes "Fare card read/writer")	\$8,333	N/A	N/A
Photo ID Equipment – Camera and power supply	\$482	N/A	N/A
Kytronics Card Dispenser	\$1,087	N/A	N/A
Cherry G81-POS Keyboard	\$197	N/A	N/A
Agent Display (Touch Screen Monitor, MicroTouch M-170 LCD)	\$904	N/A	N/A
Agent Display (Touch Screen Monitor, ELO 1725L 17" LCD Desktop Touch monitor (3000 Series) with AccuTouch)	\$808	N/A	N/A
Printer – Receipt with Check Endorser/Reader Epson TH-H6000II	\$1,219	N/A	N/A
PIN Pad – Verifone 1000SE	\$109	N/A	N/A
MiniMag Magnetic Card Reader	\$76	N/A	N/A
Window Mounted Fare Card Reader/Writer <ul style="list-style-type: none"> <li>From existing stock – no color choice</li> <li>Minimum Order Quantity – 10 Units</li> </ul>	\$660 (less a credit of \$24 if "ORCA blue" Plastic Casing color choice is specified)	N/A	N/A
Window Mounted Fare Card Reader/Writer Plastic Casing – Window Mount – 'ORCA blue' <ul style="list-style-type: none"> <li>Minimum Order Quantity = 200</li> </ul>	\$24	N/A	N/A

I.

<b>WSF Gate Adaption Kits (GAK)</b>	<b>125 or less</b>		
<i>PRICE PER UNIT</i>	\$1,519		

J. ITEM (I) PRICES EXPIRE EFFECTIVELY: 4-Sep-2005

<b>SNMP COLLECTION SERVER AND SOFTWARE</b>	<b>3 or less (price/unit)</b>
<i>i. SNMP COLLECTION SERVER</i>	\$4,646
<i>ii. HP OPENVIEW LICENSE (SOFTWARE) (SOLARIS-BASED)</i>	\$5,900
<i>iii. HP OPENVIEW LICENSE (SOFTWARE) (WINDOWS-BASED)</i>	\$7,000

K. **Optional On-Board Bus Installation Parts and Materials**

<b>Part</b>	<b>ERG Total Price</b>		
<b>K.1 Serialized Devices</b>			
a. Ethernet Switch	\$361	N/A	N/A
b. Load Dump Module (LDM)	\$35	N/A	N/A
<b>K.2 Brackets/Clamps/Stanchions</b>			
a. DDU Cradles (for DC5000)	\$163	N/A	N/A
b. OBFTP Bracket (for CP5500)	\$236	N/A	N/A
c. Ethernet Switch Mounting Bracket	\$26	N/A	N/A
d. Tee Fitting w/(2) Extra Holes Grey Nylon Coated	\$17	N/A	N/A
e. OBFTP 2 hole drilled cup	\$10	N/A	N/A
f. Offset Clamp	\$30	N/A	N/A
g. TL 250 4 hole Stainless Steel cup with hole and through bolt	\$12	N/A	N/A
h. OBFTP 90 Degree Bend Stanchion	\$30	N/A	N/A
i. OBFTP 40 Degree Bend Stanchion	\$22	N/A	N/A
j. OBFTP 12 Degree Bend Stanchion	\$22	N/A	N/A
k. OBFTP 5 Degree Bend Stachion	\$22	N/A	N/A
l. Bentech 7" Straight Stanchion	\$8	N/A	N/A
m. Bentech 11" Straight Stanchion	\$8	N/A	N/A
n. WDOLS Z Clamp	\$9	N/A	N/A
o. Bentech Stanchion Plug Plastic	\$1	N/A	N/A
<b>K.3 Cabling</b>			
a. Ethernet Cable - Commscope 2004 (1000')	\$436	N/A	N/A
b. Belden Power Cable - 3 Core AWG18 (1000')	\$619	N/A	N/A
c. Belden Power Cable - 2 Core (1000')	\$447	N/A	N/A



<b>K.4 Circuit Breakers</b>			
a. ETA Circuit Breaker 4 amp (Power)	\$27	N/A	N/A
b. ETA Circuit Breaker 1 amp (Ignition)	\$27	N/A	N/A
c. ETA Circuit Breaker mounting block	\$8	N/A	N/A
<b>K.5 Electrical Connectors</b>			
a. AMP pins 24 AWG (Ethernet) (1000)	\$576	N/A	N/A
b. AMP pins 18 AWG (Power) (1000)	\$606	N/A	N/A
c. RJ-45 Connector (Ethernet) (1000)	\$410	N/A	N/A
d. RJ-45 Strain Relief (Ethernet)(1000)	\$365	N/A	N/A
e. Ring Crimp Terminal Red 18 AWG #8 (1000)	\$169	N/A	N/A
f. Ring Crimp Terminal Red 18 AWG #10 (Ethernet Drain wires) (1000)	\$169	N/A	N/A
g. 760K Switchcraft - Cisco 1310 Power Injector Connector	\$4	N/A	N/A
<b>K.6 Installation Accessories</b>			
a. DDU Adaptaflex fitting	\$2	N/A	N/A
b. DDU Adaptaflex conduit(100')	\$83	N/A	N/A
c. Cable Ties(1000)	\$55	N/A	N/A
d. Metallic Inc 1" P-Clamp(10)	\$20	N/A	N/A
e. 1/8" heat shrink (Ethernet Drain wires)(3')	\$1	N/A	N/A
f. 1/4" heat shrink (power wires)(3')	\$2	N/A	N/A
g. 3/8" heat shrink (Ethernet wires)(3')	\$2	N/A	N/A
h. Grommet Edging Adhesive (100')	\$57	N/A	N/A
i. Split loom 1/2 inch (100')	\$38	N/A	N/A
j. Split loom 1 inch (100')	\$93	N/A	N/A
<b>K.7 Antennas (Agency to specify if terminated or unterminated but no price differential)</b>			
a. RM3-2400 antenna 6ft coax R/P TNC RG-58	\$56	N/A	N/A
b. RM3-2400 antenna 11ft coax R/P TNC RG-58	\$59	N/A	N/A
c. RM3-2400 antenna 15ft coax R/P TNC RG-58	\$62	N/A	N/A
d. RM3-2400 antenna 18ft coax R/P TNC RG-58	\$64	N/A	N/A
e. RM3-2400 antenna 30ft coax R/P TNC RF-195	\$97	N/A	N/A
f. RM3-2400 antenna 40ft coax R/P TNC RF-195	\$107	N/A	N/A
<b>K.8 Weatherproof Connector Assembly</b>			
a. 3 Contact Tower Half Packard Weatherpack Plug	\$1	N/A	N/A
b. Package Cable Seal-Green #12015323	\$0.12	N/A	N/A
c. Female Terminal for Tower Half 20-18GA	\$0.22	N/A	N/A
d. Male Terminal for Tower Half 20-18GA	\$0.22	N/A	N/A
<b>K.9 Fasteners/Hardware</b>			
a. M5x20 screws (DDU bracket)(100)	\$8	N/A	N/A
b. M5 nyloc nuts (DDU bracket)(100)	\$5	N/A	N/A
c. M5 washers (DDU bracket)(100)	\$2	N/A	N/A
d. WDOLS M6 X 10mm Bolt to mount WDOLS to plate or power injector (100)	\$5	N/A	N/A
e. M6 Flat Washer (100)	\$2	N/A	N/A
f. 10/32 x 1/2" Machine Screw (100)	\$6	N/A	N/A

g. 10/32 nyloc nut(100)	\$3	N/A	N/A
h. #10 washer(435)	\$6	N/A	N/A
i. 10/32 x 1 3/4" Machine Screw (LDM)(100)	\$12	N/A	N/A
j. #12 x 1 3/4 Stainless Steel Wood Screw (LDM)(50)	\$13	N/A	N/A
k. 1/4"-20 x 1 1/2" Hex Head Cap screws (100)	\$12	N/A	N/A
l. 1/4"-20 nyloc nuts (100)	\$5	N/A	N/A
m. 1/4" fender washers (100)	\$6	N/A	N/A
n. #8 Flat washer (555)	\$7	N/A	N/A
o. #10 x 1/2 Self Drilling Sheet Metal Screw (100)	\$8	N/A	N/A
p. #8 x 1/2" Self Drilling Screw (100)	\$6	N/A	N/A
q. 8/32 x 3/4 - KCM Grounding Stud (100)	\$5	N/A	N/A
r. 8/32 Nyloc Nut (100)	\$3	N/A	N/A
<b>K.10 Labels</b>			
a. DDU Ethernet (sheet of 49)	\$7	N/A	N/A
b. DDU Power (sheet of 49)	\$7	N/A	N/A
c. ETH Switch Power (sheet of 49)	\$7	N/A	N/A
d. OBFTP Ethernet (sheet of 49)	\$7	N/A	N/A
e. OBFTP Power (sheet of 49)	\$7	N/A	N/A
f. Smartcard Power (sheet of 49)	\$7	N/A	N/A
g. WDOLS Power (sheet of 49)	\$7	N/A	N/A
h. WSOLS Ethernet (sheet of 49)	\$7	N/A	N/A
i. WDOLS Antenna (sheet of 49)	\$7	N/A	N/A
<b>K.11 Specialized OBE Commissioning Materials</b>			
a. cable to connect laptop to OBFTP	\$118	N/A	N/A
b. spare active cradle chip	\$13	N/A	N/A

1.2 Section 3.I-76.4.2 is hereby amended to add the following subsection "c."

### 3.I-76.4.2

...c. The prices specified in Exhibit 9, Section II, Equipment Prices, Subsection K, Optional On-Board Bus Installation Parts and Materials, shall only apply in the event: (a) an Agency needs one or more items listed in said Subsection K for its spares inventory or in connection with its transfer of existing On-Board Equipment from one vehicle to another; and (b) the Agency, at its sole discretion, opts to purchase said item(s) from the Contractor rather than other suppliers. All equipment and materials necessary for installation and commissioning of a complete suite of On-Board Equipment to outfit a new vehicle shall continue to be provided under the Equipment Installation price specified in Section IV(A) of Exhibit 9, in accordance with Section 3.I-76.4.3.

## Section 2.0 Other Terms and Conditions

All other provisions of the Contract not referenced in this Amendment One hundred and forty-nine shall remain in effect.

IN WITNESS WHEREOF, authorized representative of the Agencies and the Contractor have signed their names in the spaces provided below.

### ERG Transit Systems (USA) Inc.

By: Michael Cook  
Its: Contract

Date: 9-6-11

### The Agencies

By: Cardace Carlisle  
Their: Operations Manager  
On behalf of the Agencies  
Date: September 6, 2011